



TROPICAL CYCLONE BULLETIN NO. 10
Typhoon "ODETTE"

Issued at 11:00 AM, 16 December 2021
 Valid for broadcast until the next bulletin at 2:00 PM today

TYPHOON "ODETTE" INTENSIFIES FURTHER AS IT ENDANGERS THE BUCAS GRANDE-SIARGAO ISLANDS AND DINAGAT ISLANDS	
Location of Center (10:00 AM)	
The center of the eye of Typhoon "ODETTE" was located based on all available data including those from Hinatuan Doppler Weather Radar at 175 km East of Surigao City, Surigao del Norte (9.7°N, 127.1°E)	
Intensity	
Maximum sustained winds of 185 km/h near the center, gustiness of up to 230 km/h , and central pressure of 940 hPa	
Present Movement	
West Northwestward at 25 km/h	
Extent of Tropical Cyclone Winds	
Strong winds or higher extend outwards up to 480 km from the center	

TRACK AND INTENSITY FORECAST						
Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 8:00 PM 16 December 2021	10.0	124.6	Over the coastal waters of Ubay, Bohol	175	TY	W 30
24-Hour Forecast 8:00 AM 17 December 2021	10.1	121.4	Over the coastal waters of Cuyo, Palawan	150	TY	W 30
36-Hour Forecast 5:00 PM 17 December 2021	10.6	118.8	Over the coastal waters of San Vicente, Palawan	140	TY	W 25
48-Hour Forecast 8:00 AM 18 December 2021	11.2	115.9	200 km East of Pag-asa Island, Kalayaan, Palawan	140	TY	WNW 25
60-Hour Forecast 8:00 PM 18 December 2021	12.0	113.3	140 km Northwest of Pag-asa Island, Kalayaan, Palawan (outside the PAR)	130	TY	WNW 25
72-Hour Forecast 8:00 AM 19 December 2021	12.9	111.5	355 km Northwest of Pag-asa Island, Kalayaan, Palawan (outside the PAR)	120	TY	WNW 20
96-Hour Forecast 8:00 AM 20 December 2021	15.9	110.8	1,020 km West of Northern Luzon (outside the PAR)	95	STS	NNW 15
120-Hour Forecast 8:00 AM 21 December 2021	18.8	112.2	975 km West of Extreme Northern Luzon (outside the PAR)	65	TS	NNE 15



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
4 (Very Destructive typhoon-force winds prevailing or expected within 12 hours)	-	Southern Leyte, and the eastern portion Bohol (<i>Talibon, Trinidad, San Miguel, Dagohoy, Pilar, Sierra Bullones, Jagna, Garcia Hernandez, Duero, Guindulman, Anda, Candijay, Alicia, Mabini, Ubay, Pres. Carlos P. Garcia, Bien Unido</i>)	Dinagat Islands, Surigao del Norte including Siargao and Bucas Grande Islands
3 (Destructive typhoon-force winds prevailing or expected within 18 hours)	-	The southern portion of Leyte (<i>Abuyog, Mahaplag, Hilongos, Bato, Matalom, Hindang, Inopacan, City of Baybay, Javier, Macarthur</i>), the southern and central portions of Cebu (<i>Camotes Islands, Tuburan, Catmon, Carmen, Danao City, Asturias, Balamban, Cebu City, Compostela, Liloan, Consolacion, Lapu-Lapu City, Mandaue City, Toledo City, City of Talisay, Minglanilla, Samboan, Sibonga, Alcoy, Ginatilan, Boljoon, City of Carcar, Malabuyoc, Moalboal, Cordova, Oslob, Aloguinsan, Pinamungahan, Barili, Santander, Badian, Dalaguete, Alcantara, Ronda, Alegria, City of Naga, Argao, San Fernando, Dumanjug, Sogod</i>), the rest of Bohol, Negros Oriental, Siquijor, the southern and central portions of Negros Occidental (<i>Calatrava, San Carlos City, Salvador Benedicto, City of Talisay, Silay City, Bacolod City, Murcia, Bago City, Valladolid, Pulupandan, La Carlota City, San Enrique, La Castellana, Moises Padilla, Pontevedra, Hinigaran, Isabela, Binalbagan, City of Himamaylan, City of Kabankalan, Ilog, Cauayan, Candoni, City of Sipalay, Hinoba-An</i>), and Guimaras	The northern portion of Agusan del Norte (<i>Kitcharao, Jabonga, Santiago, Tubay, City of Cabadbaran</i>), and the northern portion of Surigao del Sur (<i>Carrascal, Cantilan, Madrid, Carmen, Lanuza, Cortes, City of Tandag</i>)



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2 (Damaging gale- to storm-force winds prevailing or expected within 24 hours)	<p>The southern portion Albay (<i>The city of Tabaco, Malilipot, Rapurapu, Bacacay, Santo Domingo, Legazpi City, Manito, Camalig, Daraga, Jovellar, Guinobatan, Pio Duran, City of Ligao, Oas</i>), Sorsogon, Masbate including Ticao and Burias Islands, Romblon, the central and southern portions of Oriental Mindoro (<i>Pinamalayan, Gloria, Bansud, Bongabong, Roxas, Mansalay, Bulalacao, Socorro, Pola</i>), the central and southern portions of Occidental Mindoro (<i>Sablayan, Calintaan, Rizal, San Jose, Magsaysay</i>), and Palawan (<i>El Nido, Calamian Islands, Taytay, Dumararan, Araceli, Cuyo Islands</i>)</p>	<p>Northern Samar, Eastern Samar, Samar, Biliran, the rest of Leyte, the rest of Cebu, the rest of Negros Occidental, Iloilo, Capiz, Aklan, and Antique</p>	<p>The rest of Surigao del Sur, Agusan del Sur, the rest of Agusan del Norte, the extreme northern portion of Zamboanga del Norte (<i>Dapitan City, Siayan, Sindangan, Jose Dalman, Manukan, Pres. Manuel A. Roxas, Katipunan, Sergio Osmeña Sr., Polanco, Dipolog City, Piñan, Mutia, La Libertad, Rizal, Sibutad</i>), the extreme northern portion of Zamboanga del Sur (<i>Josefina, Molave, Mahayag, Dumingag, Tambulig</i>), Misamis Occidental, the northern portion of Lanao del Norte (<i>Kolambugan, Maigo, Munai, Bacolod, Poona Piagapo, Kauswagan, Pantao Ragat, Matungao, Linamon, Baloi, Tagoloan, Pantar, Iligan City</i>), Misamis Oriental, Camiguin, the northern portion of Bukidnon (<i>Cabanglasan, City of Malaybalay, Lantapan, Talakag, Baungon, Libona, Manolo Fortich, Sumilao, Impasug-Ong, Malitbog</i>), and the northern portion of Lanao del Sur (<i>Tagoloan II, Kapai</i>)</p>
1 (Strong winds prevailing or expected within 36 hours)	<p>Catanduanes, Camarines Norte, Camarines Sur, the rest of Albay, Marinduque, the southern portion of Quezon (<i>San Antonio, Tiaong, Candelaria, Sariaya, Dolores, Lucena City, Pagbilao, Padre Burgos, Atimonan, Agdangan, Unisan, Gumaca, Plaridel, Pitogo, Lopez, Guinayangan, Buenavista, Catanauan, General Luna, Macalelon, Mulanay, San Narciso, San Andres, San Francisco, Tagkawayan, Calauag, Quezon, Alabat, City of Tayabas, Perez</i>), Batangas, the rest of Oriental Mindoro, the rest of Occidental Mindoro, the rest of mainland Palawan including Balabac and Kalayaan Islands</p>	-	<p>The northern portion of Davao Oriental (<i>Baganga, Cateel, Boston</i>), the northern portion of Davao de Oro (<i>Laak, Mawab, Nabunturan, Montevista, Monkayo, New Bataan, Compostela</i>), the northern portion of Davao del Norte (<i>Talaingod, Santo Tomas, Kapalong, Asuncion, San Isidro, New Corella</i>), the rest of Bukidnon, the rest of Lanao del Norte, the rest of Lanao del Sur, the rest of northern portion of Zamboanga del Norte (<i>Labason, Kalawit, Tampilisan, Liloy, Salug, Godod, Bacungan, Gutalac, Baliguian</i>), the rest of northern portion of Zamboanga del Sur (<i>Bayog, Lakewood, Kumalarang, Guipos, Dumalinao, Tukuran, Ramon Magsaysay, Aurora, Sominot, Tigbao, Labangan, Pagadian City, Midsalip</i>), and the northern portion of Zamboanga Sibugay (<i>Titay, Ipil, Naga, Kabasalan, Siay, Diplahan, Buug</i>)</p>



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HAZARDS AFFECTING LAND AREAS

Heavy Rainfall

- **Today through tomorrow early morning:** Heavy to torrential rains over Caraga, Central Visayas, Misamis Oriental, Camiguin, Southern Leyte, and Negros Occidental. Moderate to heavy with at times intense rains over Leyte, the southern portions of Eastern Samar and Samar, Zamboanga del Norte, Lanao del Sur, Davao Oriental, Davao de Oro, Davao del Norte, and the rest of Northern Mindanao. Light to moderate with at times heavy rains over Bicol Region, Quezon, and the rest of Visayas, the rest of Zamboanga Peninsula, and mainland Bangsamoro.
- **Tomorrow early morning through Saturday early morning:** Heavy to intense with at times torrential rains over Central Visayas, Western Visayas, and Palawan including Calamian Islands, Cuyo, and Cagayancillo Islands. Moderate to heavy with at times intense rains over Bicol Region, Zamboanga Peninsula, Quezon, Occidental Mindoro, Oriental Mindoro, Romblon, Marinduque, Lanao del Norte, Lanao del Sur, and the rest of Visayas. Light to moderate with at times heavy rains over Caraga, the southern portion of Aurora, and the rest of Northern Mindanao.
- **Saturday early morning through Sunday early morning:** Heavy to torrential rains over Kalayaan Islands. Light to moderate with at times heavy rains over Cagayan Valley, Aurora, Quezon, mainland Palawan and Calamian Islands.
- Under these conditions, **scattered to widespread flooding (including flash floods) and rain-induced landslides are expected** especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps, and in localities with significant antecedent rainfall.

Severe Winds

- Winds may reach typhoon strength up to 185 km/h in strength within any of the areas where TCWS #4 is hoisted during the passage of the typhoon. This may cause generally heavy to very heavy damage to structures and vegetation.
- Destructive typhoon-force winds will be experienced within any of the areas where TCWS #3 is in effect. This may bring moderate to heavy damage to structures and vegetation.
- Damaging winds reaching gale- to storm-force strength will be experienced within any of the areas where TCWS #2 is in effect. This may result in generally light to moderate damage to structures and vegetation.
- Strong winds (strong breeze to near gale) with higher gusts will be experienced within any of the areas where TCWS #1 is currently in effect during the passage of the typhoon. This may generally bring up to very light damage to structures and vegetation.

Coastal Inundation

There is a **moderate to high risk of storm surge** of up to 3.0 m in height which may cause life-threatening flooding in the low-lying coastal areas of Central Visayas, Northern Mindanao, Iloilo, Guimaras, Negros Occidental, Eastern Samar, Southern Leyte, Dinagat Islands, Surigao del Norte, Surigao del Sur, Agusan del Norte, and several localities in the northern portion of Palawan including Calamian, Cuyo and Cagayancillo Islands, Antique, the southern portion of Samar, Leyte, and Davao Oriental. For more information, refer to Storm Surge Warning #4 issued at 5:00 AM today.

HAZARDS AFFECTING COASTAL WATERS

- In the next 24 hours, moderate to very high seas (1.2 to 10.0 m) will be experienced over the seaboard of areas where TCWS is in effect (especially in the open sea areas). **These conditions are risky for all types of sea vessels.** Mariners are advised to remain in port or take shelter in port until winds and waves subside.
- Under the influence of Typhoon "ODETTE" and the prevailing Northeast Monsoon, a **Gale Warning remains in effect** for several coastal waters not under any wind signal, specifically the seaboard of Northern Luzon, and the eastern seaboard of Central and Southern Luzon. For more information, refer to Gale Warning #49 issued at 5:00 AM today.
- In the next 24 hours, moderate to rough seas (1.2 to 3.1 m) will also prevail over the remaining seaboard of the country that are not under any wind signal. **These conditions are risky for those using small seacrafts.** Mariners are advised to take precautionary measures when venturing out to sea and, if possible, avoid navigating in these conditions.



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TRACK AND INTENSITY OUTLOOK

- On the forecast track, Typhoon "ODETTE" will continue moving generally westward or west northwestward over the Philippine Sea and the center of its eye is forecast **to make its initial landfall in the vicinity of Siargao-Bucas Grande Islands or Dinagat Islands between 1:00 and 3:00 PM today**. Afterwards, the center of "ODETTE" will move westward and cross several provinces in Central and Western Visayas regions before emerging over the Sulu Sea tomorrow morning. After passing near or in the vicinity of either Cuyo or Cagayancillo archipelago, "ODETTE" is forecast to cross the northern or central portion of Palawan tomorrow afternoon or evening before emerging over the West Philippine Sea.
- Typhoon "ODETTE" is forecast to continue intensifying until it makes landfall this afternoon. Considering the recent trend in its intensification, the typhoon may reach a **pre-landfall peak intensity of 185 to 195 km/h**. "ODETTE" may see some slight weakening as it crosses northeastern Mindanao, Visayas, and Palawan, but it is forecast to remain as a typhoon. Re-intensification is likely once "ODETTE" emerges over the West Philippine Sea. However, weakening may ensue beginning Saturday evening or Sunday as the typhoon becomes exposed to increasing vertical wind shear and the surge of the Northeast Monsoon.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 2:00 PM today.

DOST-PAGASA